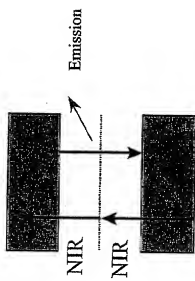


a.)



b.)

Figure: 1

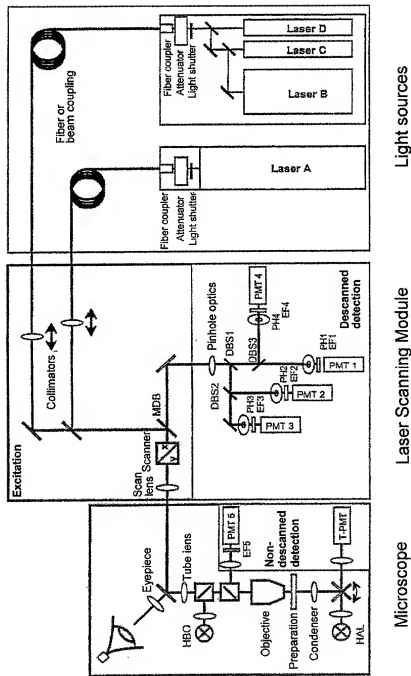
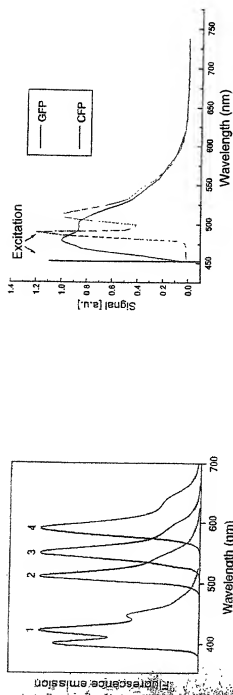
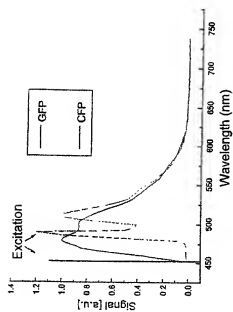


Figure: 2



b.)



c.)

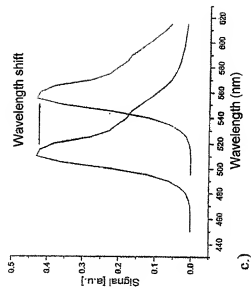
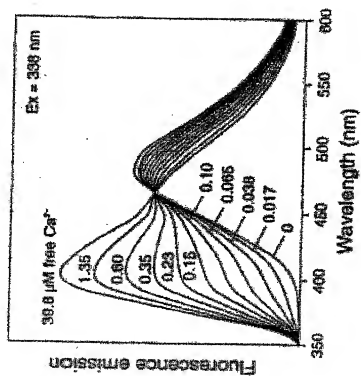
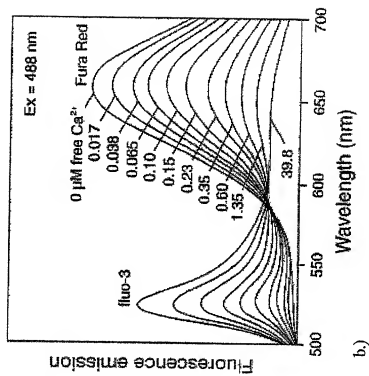


Figure: 3



a.)



b.)

Figure: 4

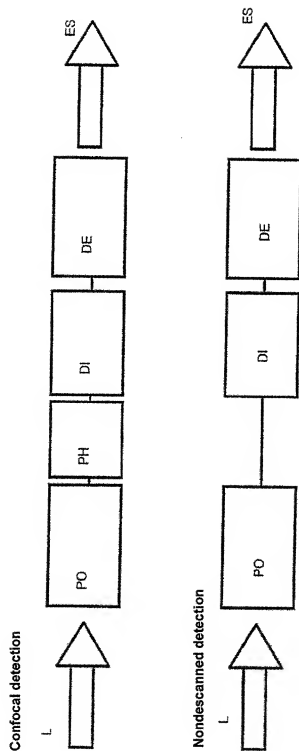


Figure: 5

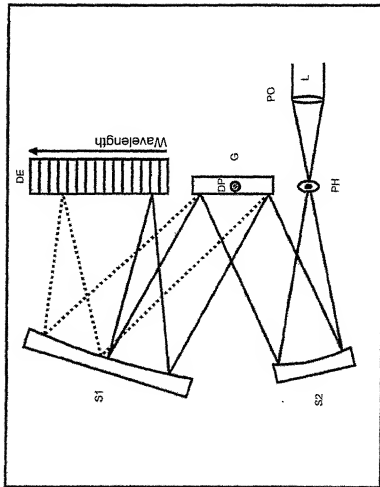
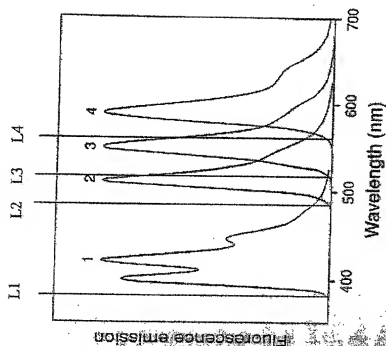
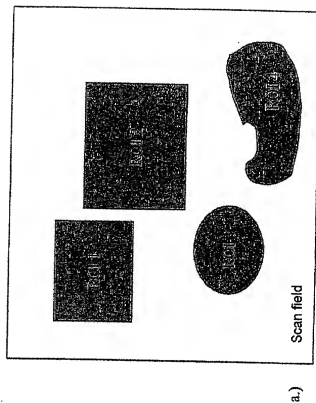


Figure: 6

1



b.)



a.)

Figure: 8



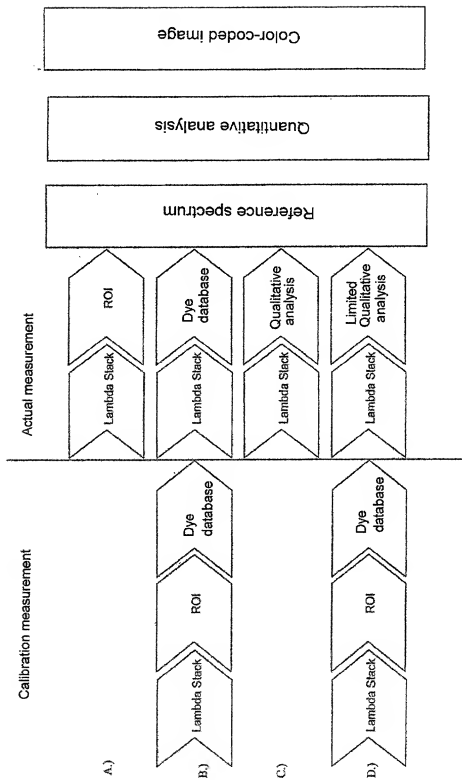


Figure: 9

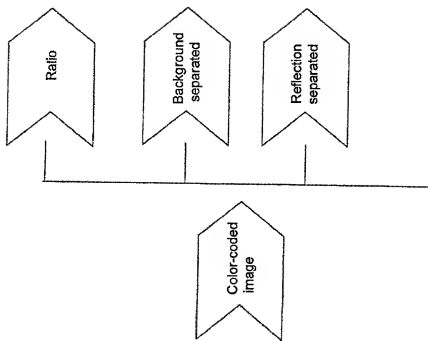


Figure: 10

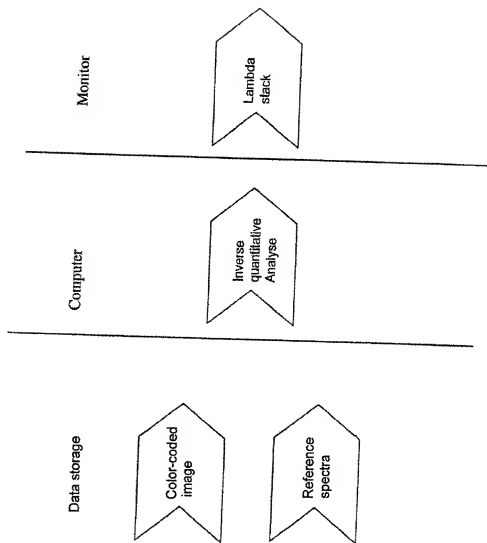
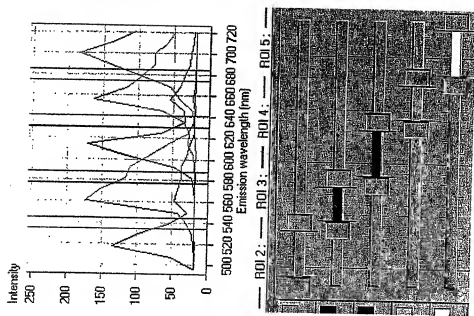
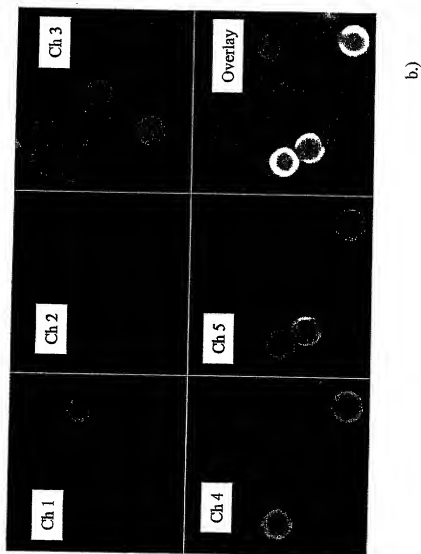


Figure: 11



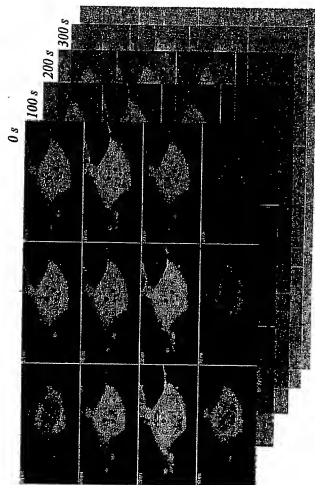
a.)



b.)

Figure: 12

A.)



B.)

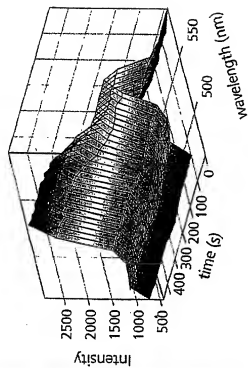


Figure: 13

1

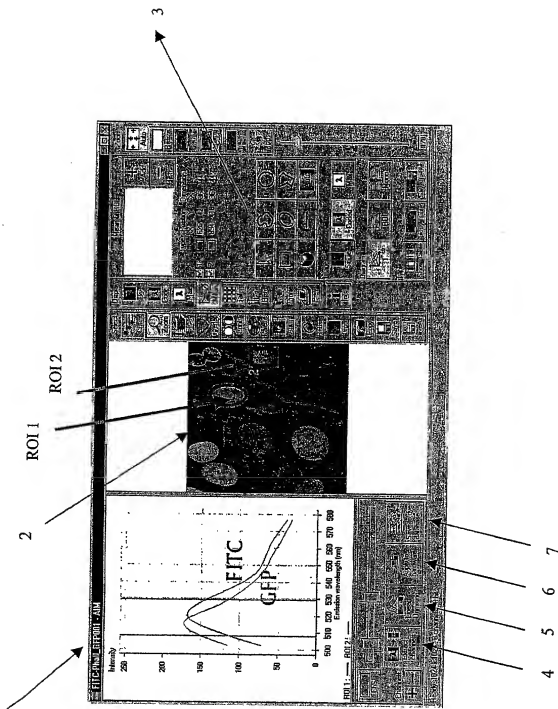
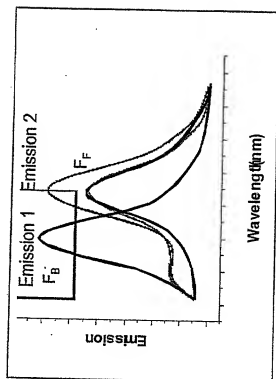


Figure: 14

A.)



B.)

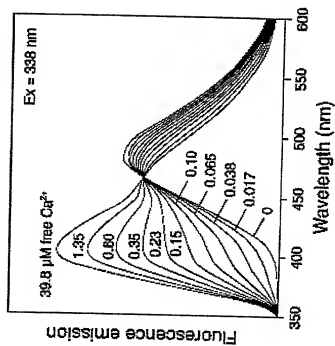
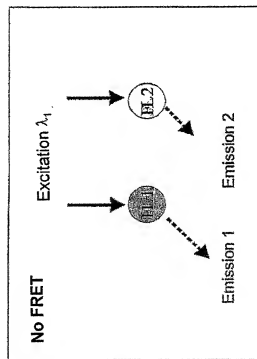


Figure: 15

A.)



B.)

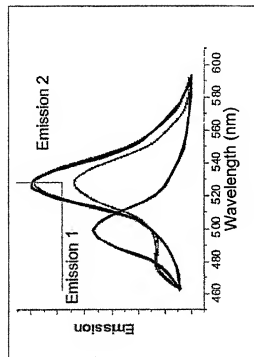
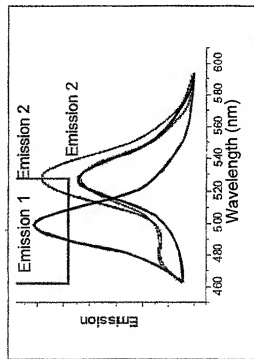
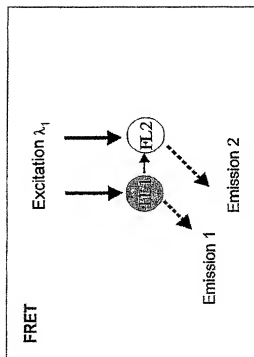
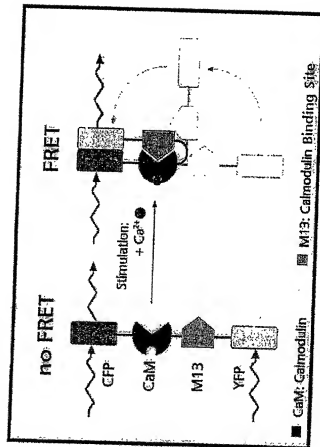


Figure: 16

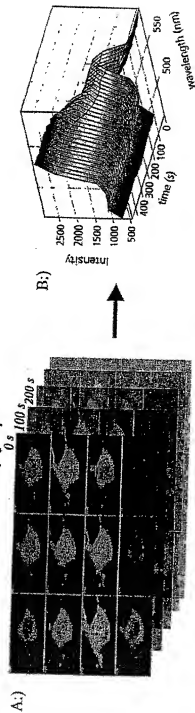




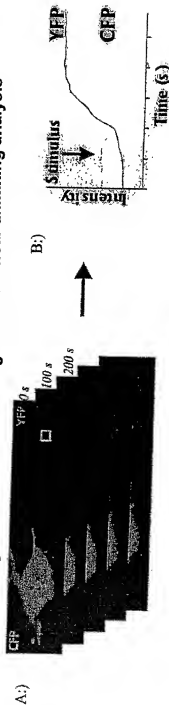
Example: FRET sensor for calcium concentration measurements  
 Yellow Cameleon2 (Miyawaki et al. Proc Natl Acad Sci USA  
 96, 2135-2140, (March 1999))

Figure: 17

# 1. Series of Lambda Stacks (xyλt)



# 2. Series of images with CFP and YFP signals after linear unmixing analysis



# 3. Series of ratio images (YFP/CFP)



Cytoplasmic expression of Yellow Cameleon 2  
in a cultured cell

Figure: 18